

Memorandum

To: Staff and Interested Parties

From: Elsie Patton, Assistant Director, PERD

Date: March 29, 2001

Re: Changes to Soil Vapor Volatilization Criteria for Vinyl Chloride and 1, 1-Dichloroethylene

The following soil vapor volatilization criteria have been changed to reflect updated risk values as well as appropriate detection limits. These changes are made pursuant to the Remediation Standard Regulations, Sections 22a-133k(1) through (3) of the Regulations of Connecticut State Agencies.

Pollutant	Residential Soil Vapor Volatilization Criteria (ppm)	Industrial/Commercial Soil Vapor Volatilization Criteria (ppm)
1, 1-Dichloroethylene	0.08	0.35
Vinyl Chloride	0.42	6.1

The target air concentrations (TAC) used to calculate the new criteria for vinyl chloride are as follows: 0.16 $\mu\text{g}/\text{m}^3$ for Residential and 0.93 $\mu\text{g}/\text{m}^3$ for Industrial/Commercial.